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OM protein - protein search, using sw model
Run on: August 28, 2003, 18:34:33 ; search time 19.697 seconds
(without alignments)

90.276 Million cell updates/sec
Perfect score: 66

Title: US-09-743-225-10
Sequence: 1 CATHRYKGGKXA 13

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 510680 seqs, 136781880 residues

Total number of hits satisfying chosen parameters: 510680

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0.8

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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18: /cgn2_6/ptodata/1/pubpaas/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	54.5	343	9	US-09-802-853-4	Sequence 4, Appl1
2	54.5	343	15	US-10-307-385-4	Sequence 4, Appl1
3	54.5	4545	9	US-09-873-403-2	Sequence 2, Appl1
4	53.0	193	11	US-09-951-030-2	Sequence 2, Appl1
5	53.0	310	8	US-08-964-716-42	Sequence 42, Appl1
6	53.0	602	15	US-10-010-160-16	Sequence 16, Appl1
7	53.0	864	10	US-08-883-096-2	Sequence 2, Appl1
8	53.0	2714	12	US-10-140-472-19	Sequence 79, Appl1
9	53.0	2714	12	US-10-141-761-19	Sequence 79, Appl1
10	53.0	2714	12	US-10-142-885-19	Sequence 79, Appl1
11	53.0	2714	15	US-10-123-155-19	Sequence 79, Appl1
12	53.0	2714	16	US-10-146-731-79	Sequence 79, Appl1
13	53.0	3162	12	US-10-140-472-11	Sequence 111, Appl
14	53.0	3162	12	US-10-141-761-11	Sequence 111, Appl
15	53.0	3162	12	US-10-142-885-11	Sequence 111, Appl

ALIGNMENTS

RESULT 1
US-09-802-853-4 ; Sequence 4, Application US/09802853

; Patent No. US20010034049A1

; GENERAL INFORMATION:

; APPLICANT: SUGIYAMA, MASAKAZU

; APPLICANT: TONOUCHI, NAOJI

; APPLICANT: SUZUKI, SHUNICHI

; APPLICANT: YOROZEKI, KENZO

; TITLE OF INVENTION: XYLITOL DEHYDROGENASE OF ACETIC ACID BACTERIA AND GENE THEREOF

; FILE REFERENCE: 1010-1024-0

; CURRENT FILING DATE: 2001-03-12

; PRIORITY APPLICATION NUMBER: US/09-802, 853

; PRIORITY FILING DATE: 1999-07-29

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4

; LENGTH: 343

; TYPE: PRT ; ORGANISM: Gluconobacter oxydans

; US-09-802-853-4

Query Match 54.5%; Score 36; DB 9; Length 343;
Best Local Similarity 77.8%; Pred. No. 1.2e-02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CATIIRVYKG 9
|| || || ||
Db 153 CAGIIRVYKG 161

RESULT 2
US-10-307-385-4

; Sequence 4, Application US/10307385
; Publication No. US2003007779A1

GENERAL INFORMATION:
 ; APPLICANT: SUGIYAMA, MASAKAZU
 ; APPLICANT: TONODAHI, NAOTO
 ; APPLICANT: SUZUKI, SHUNICHI
 ; APPLICANT: YOKOZEKI, KENZO
 ; TITLE OF INVENTION: XYLITOL DEHYDROGENASE OF ACETIC ACID BACTERIA AND GENE THEREOF
 ; FILE REFERENCE: 0010-1024-0
 ; CURRENT APPLICATION NUMBER: US/10/307,385
 ; CURRENT FILING DATE: 2002-12-02
 ; PRIOR APPLICATION NUMBER: US/09/363,189
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: JI10-216047
 ; PRIOR FILING DATE: 1998-07-10
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 4
 ; LENGTH: 343
 ; TYPE: PRT
 ; ORGANISM: Gluconobacter oxydans

RESULT 3
 US-09-873-403-2
 Sequence 2, Application US/09873403
 ; Patent No. US201002008207A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Srivastava, Pramod K
 ; TITLE OF INVENTION: COMPLEXES OF ALPHA (2) MACROGLOBULIN AND ANTIGENIC
 ; FILE REFERENCE: 8A49-178
 ; CURRENT FILING DATE: 2001-06-04
 ; PRIOR APPLICATION NUMBER: US/09/873,403
 ; PRIOR FILING DATE: 2000-07-25
 ; PRIOR APPLICATION NUMBER: 60/209,266
 ; PRIOR FILING DATE: 2000-06-02
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 2
 ; LENGTH: 4545
 ; TYPE: PRT
 ; ORGANISM: Mus musculus

US-09-873-403-2

Query Match 54.5%; Score 36; DB 15; Length 343;
 Best Local Similarity 77.8%; Pred. No. 1.2e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CATLRYKKG 9
 Db 153 CAGLTYKKG 161

RESULT 4
 US-09-951-030-2
 Sequence 2, Application US/09951030
 ; Publication No. US20030049250A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ungerer, Dr. Martin
 ; TITLE OF INVENTION: Method of increasing the contractility of a heart, a heart muscle
 ; FILE REFERENCE: 9286.5
 ; CURRENT APPLICATION NUMBER: US/09/951,030
 ; CURRENT FILING DATE: 2001-09-11

Query Match 53.0%; Score 35; DB 11; Length 193;
 Best Local Similarity 87.5%; Pred. No. 1e+02;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TLRVYKGG 10
 Db 136 TLLVYKGG 143

US-08-964-716-42

Query Match 53.0%; Score 35; DB 8; Length 310;
 Best Local Similarity 75.0%; Pred. No. 1.7e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0;
 Gaps 0; Gaps 0;

Qy 2 ATLRVYKG 9
 |||:|||
 Db 169 ATLQTKG 176

RESULT 6

US-10-010-160-16
 ; Sequence 16, Application US/10010160
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosey, Everett L.
 ; APPLICANT: Strugnell, Richard A.
 ; APPLICANT: Good, Robert T.
 ; APPLICANT: King, Kendall W.
 ; TITLE OF INVENTION: NOVEL THERAPEUTIC COMPOSITIONS FOR
 ; FILE REFERENCE: DAVI110.001AUS
 ; CURRENT APPLICATION NUMBER: US/10/010,160
 ; PRIOR APPLICATION NUMBER: AU PR1381
 ; CURRENT FILING DATE: 2001-11-09
 ; PRIOR FILING DATE: 2000-11-10
 ; PRIOR APPLICATION NUMBER: US 60/249,596
 ; PRIOR FILING DATE: 2000-11-17
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: Fast-SEQ for Windows version 4.0
 ; SEQ ID NO 16
 ; LENGTH: 602
 ; TYPE: PRT
 ; ORGANISM: *Lawsonia intracellularis*

US-10-010-160-16

Query Match 53.0%; Score 35; DB 15; Length 602;
 Best Local Similarity 70.0%; Pred. No. 3.4e+02;
 Matches 7; Conservative 0; Mismatches 3; Indels 0;
 Gaps 0; Gaps 0;

Qy 2 ATLRVYKG 11
 |||:|||
 Db 484 ATLRVYAGG 493

RESULT 7

US-09-883-096-2
 ; Sequence 2, Application US/09883096
 ; Patent No. US20020110883A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Beraud, Christophe
 ; APPLICANT: Cravel, Andrew
 ; APPLICANT: Yu, Ming
 ; APPLICANT: Sakowicz, Roman
 ; APPLICANT: Patel, Umesh A.
 ; APPLICANT: Davies, Katherine A.

; TITLE OF INVENTION: NOVEL MOTOR PROTEINS AND METHODS FOR THEIR USE
 ; FILE REFERENCE: 020552-00141US
 ; CURRENT APPLICATION NUMBER: US/09/883-096
 ; PRIOR APPLICATION NUMBER: US 09/594,655
 ; CURRENT FILING DATE: 2001-06-15
 ; PRIOR FILING DATE: 2000-06-15
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 864
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE: Amino acid sequence encoded by human kinesin motor
 ; OTHER INFORMATION: Amino acid sequence encoded by protein gene HsKip3A (Figure 1).
 ; OTHER INFORMATION: Description of Artificial Sequence: Amino acid

OTHER INFORMATION: sequence of HsKip3A.

US-09-883-096-2

Query Match 53.0%; Score 35; DB 10; Length 864;
 Best Local Similarity 75.0%; Pred. No. 5e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0;
 Gaps 0;

Qy 4 LRVYKG 11
 |||:|||
 Db 387 LQVIEGG 394

RESULT 8

US-10-140-472-79
 ; Sequence 79, Application US/10140472
 ; Publication No. US2003013888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Geritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; ACIDS ENCODING THE SAME

US-10-140-472-79
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C168
 ; CURRENT APPLICATION NUMBER: US/10/140,472
 ; CURRENT FILING DATE: 2002-05-06
 ; PRIOR APPLICATION removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 79
 ; LENGTH: 2714
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-10-140-472-79

RESULT 9

US-10-140-472-79
 ; Sequence 79, Application US/10141761
 ; Publication No. US20030148432A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Geritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria

US-10-141-761-79

Query Match 53.0%; Score 35; DB 12; Length 2714;
 Best Local Similarity 53.8%; Pred. No. 1.6e+02;
 Matches 7; Conservative 6; Mismatches 6;
 Indels 0; Gaps 0;

Qy 1 CATLRYKG 13
 |||:|||
 Db 1071 CATCCTCTGGGA 1083

RESULT 10
 US-10-142-885-79
 ; Sequence 79, Application US/10142-885
 ; Publication No. US20030157604A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C198
 ; CURRENT APPLICATION NUMBER: US/10/141-761
 ; CURRENT FILING DATE: 2002-05-08
 ; PRIOR APPLICATION removed - See Palm or File Wrapper
 ; NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 79
 LENGTH: 2714
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-141-761-79

Query Match 53.0%; Score 35; DB 12; Length 2714;
 Best Local Similarity 53.8%; Pred. No. 1.6e+03; Indels 0; Gaps 0;
 Matches 7; Conservative 0; Mismatches 6;

Qy 1 CATRVYKGGXAA 13
 Db 1071 CATCTCTGGAA 1083

RESULT 11
 US-10-142-885-79
 ; Sequence 79, Application US/10142-885
 ; Publication No. US20030157604A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C198
 ; CURRENT APPLICATION NUMBER: US/10/142-885
 ; CURRENT FILING DATE: 2002-05-10
 ; PRIOR APPLICATION removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 79
 LENGTH: 2714
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-142-885-79

Query Match 53.0%; Score 35; DB 12; Length 2714;
 Best Local Similarity 53.8%; Pred. No. 1.6e+03; Indels 0; Gaps 0;
 Matches 7; Conservative 0; Mismatches 6;

Qy 1 CATRVYKGGXAA 13
 Db 1071 CATCTCTGGAA 1083

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; TYPE: DNA ; ORGANISM: Homo sapien
; SEQ ID NO: 1046-731-79

Query Match Score 35; DB 16; Length 2714;
Best Local Similarity 53.0%; Pred. No. 1.6e+03; Mismatches 6; Indels 0; Gaps 0;
Matches 7; Conservative 0; Organism: Homo sapien

Qy 1 CATLRYKGGXAA 13
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    1071 CATTCTCTGGAA 1083

Db 144 CATTAAAGGGAA 156

RESULT 13
US-10-140-472-111
; Sequence 111, Application US/10140472
; Publication No. US20030138888A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanae, Colin K.
; APPLICANT: Wood, William

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RIC188
CURRENT APPLICATION NUMBER: US/10/140,472
CURRENT FILING DATE: 2002-05-05
PRIORITY APPLICATION NUMBER: US/1046-731-79
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 111
LENGTH: 3162
TYPE: DNA
ORGANISM: Homo sapien

Query Match Score 35; DB 12; Length 3162;
Best Local Similarity 53.0%; Pred. No. 1.9e+03; Mismatches 6; Indels 0; Gaps 0;
Matches 7; Conservative 0; Organism: Homo sapien

Qy 1 CATLRYKGGXAA 13
    ||| |
    144 CATTAAAGGGAA 156

Db 144 CATTAAAGGGAA 156

RESULT 14
US-10-141-761-111
; Sequence 111, Application US/10141761
; Publication No. US20030148432A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanae, Colin K.
; APPLICANT: Wood, William

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RIC188
CURRENT APPLICATION NUMBER: US/10/141,761
PRIORITY APPLICATION NUMBER: US/1046-731-79
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 111
LENGTH: 3162
TYPE: DNA
ORGANISM: Homo sapien

Query Match Score 35; DB 12; Length 3162;
Best Local Similarity 53.0%; Pred. No. 1.9e+03; Mismatches 6; Indels 0; Gaps 0;
Matches 7; Conservative 0; Organism: Homo sapien

Qy 1 CATLRYKGGXAA 13
    ||| |
    144 CATTAAAGGGAA 156

Db 144 CATTAAAGGGAA 156

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